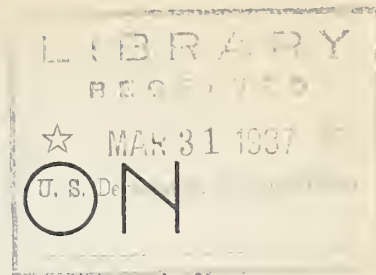


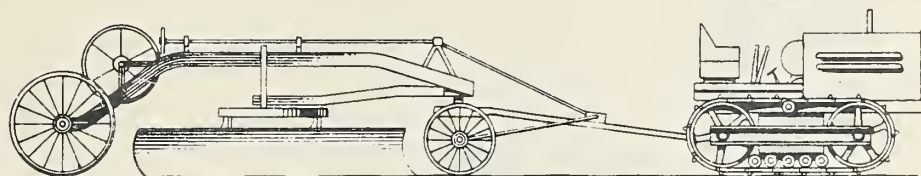
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CONSTRUCTION



HINTS

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE
WASHINGTON, D. C.

Vol. 3

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No. 7

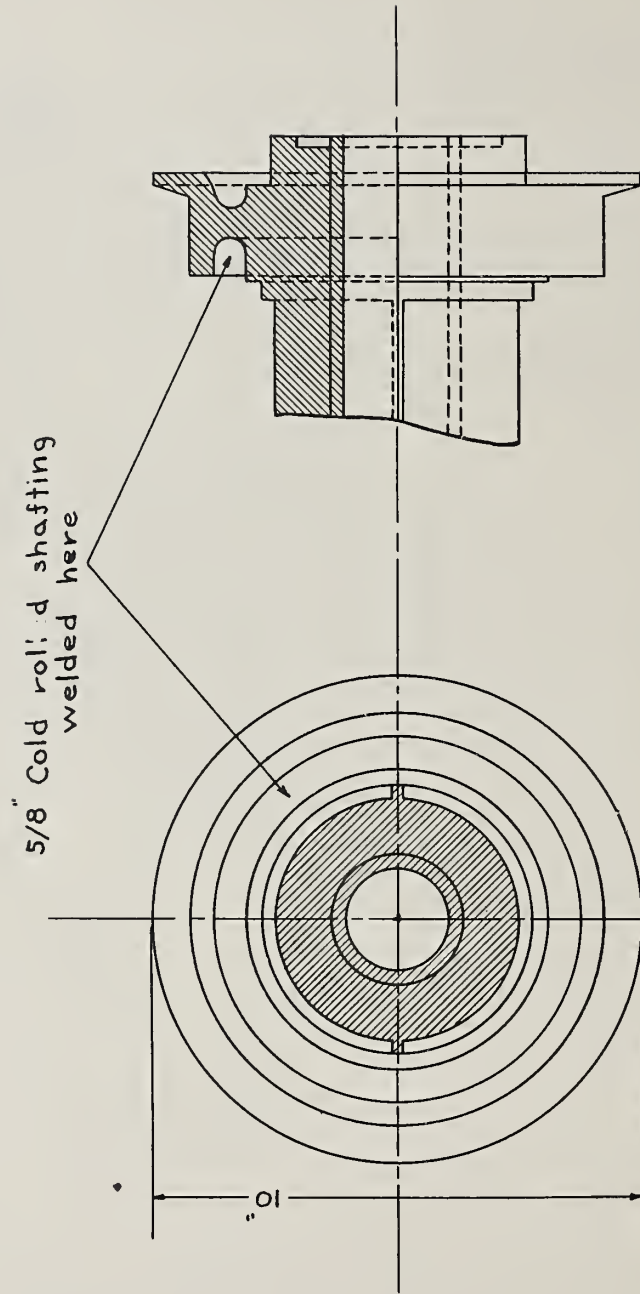
G.M.C. DUMP TRUCK RADIATORS

Submitted by R. E. Mathews, Supervising Mechanic,
Maristee Purchase Unit - Baldwin, Michigan.

The life of radiators on GMC Dump trucks, Model T-16, can be extended considerably by changing ends with the radiator tie bar which passes under and supports the radiator. Before installing the tie bar in reversed position, it is necessary to cut the flange of the bar next to the crankshaft pulley one-half inch deep and six feet long to allow for installation of the fan belt. The tie bar when installed in this manner places the radiator one-half inch farther away from the fan.

(Over)

"50" TRACTOR ROLLER



Due to the tremendous weight and rough usage delivered to the front track roller of a Fifty Caterpillar Tractor with Trailbuilder attached, much trouble and expense has been experienced in the chipping and breaking of the rollers after little wear. This can be remedied and a great amount of additional service obtained by electric welding 5/8" cold rolled shafting into the inside groove of the roller. The shafting must be previously cut and bent in half circles to fit the groove.

Submitted by--
LaVerne Larson
Supervising Mechanic

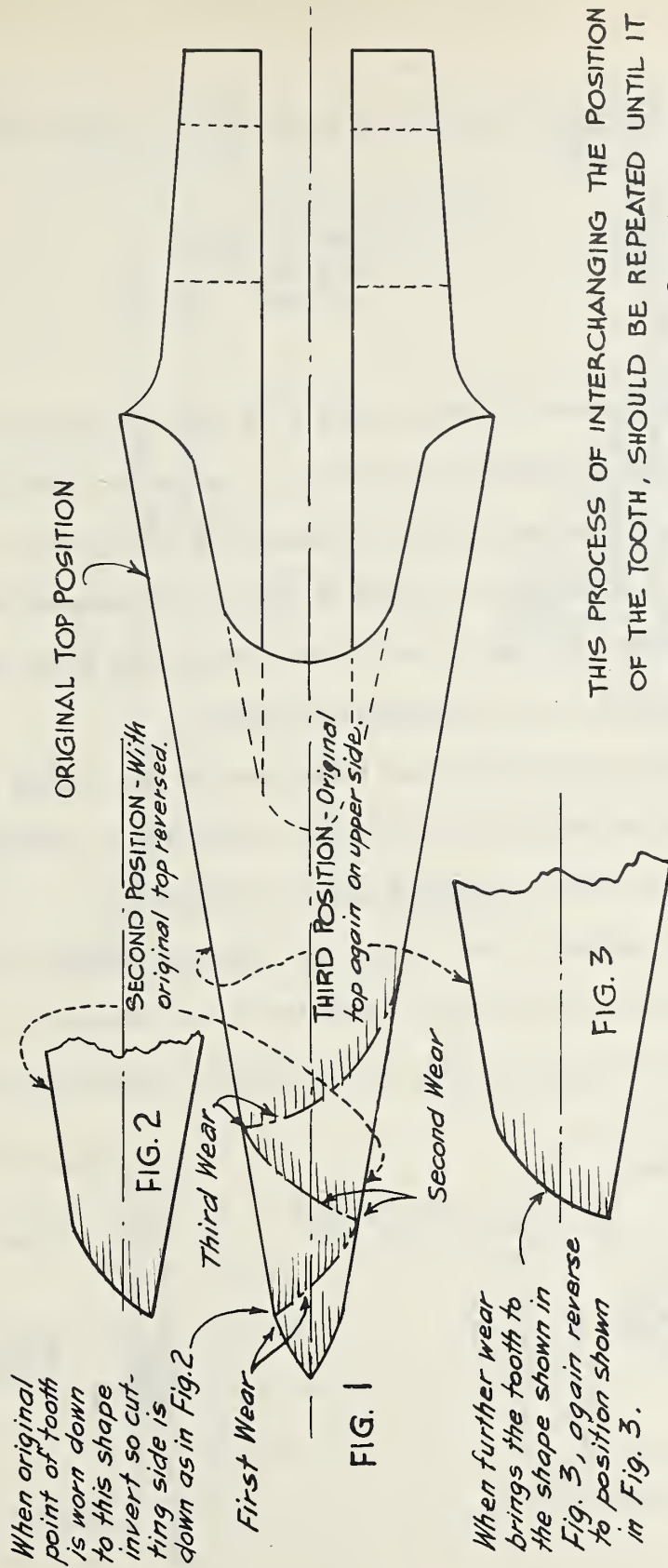
E.C.W WAREHOUSE & SHOP
ANTIGO, WISCONSIN

Scale 1/4" = 1"

Date December 15, 1936

Drawn By Casimir Wyrwas

SKETCH SHOWING METHOD OF INVERTING DIPPER TOOTH TO COMPENSATE FOR WEAR.



THIS PROCESS OF INTERCHANGING THE POSITION OF THE TOOTH, SHOULD BE REPEATED UNTIL IT IS TOO SHORT FOR FURTHER USE, OR UNTIL IT HAS BEEN WORN DOWN APPROXIMATELY 3".

CHANGE OF LOCATION OF SPARE WHEELS ON DUMP TRUCKS

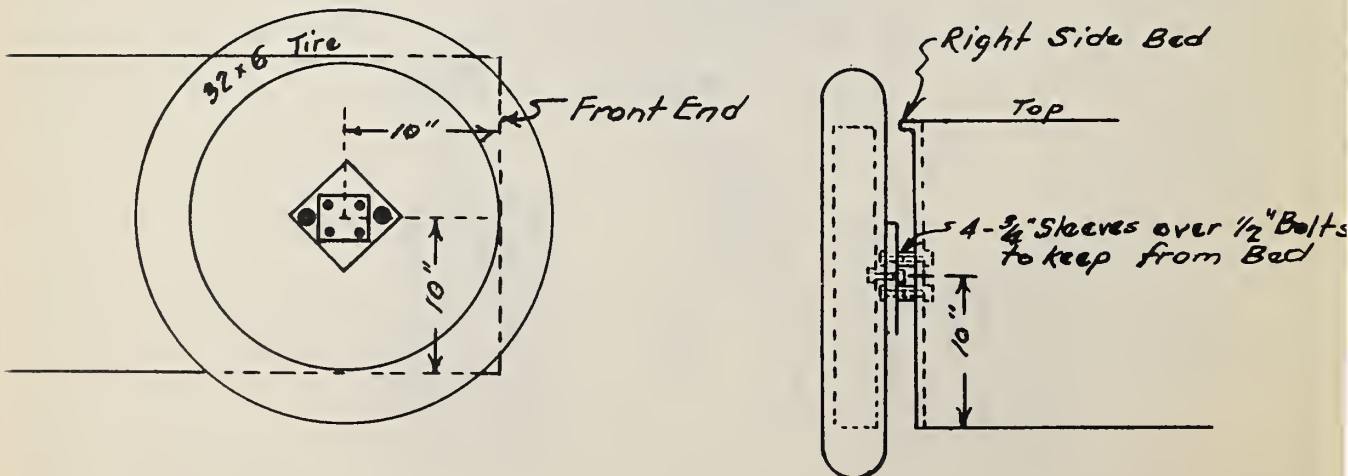
by

R. Poe Crigler
Camp Supt.
Clark

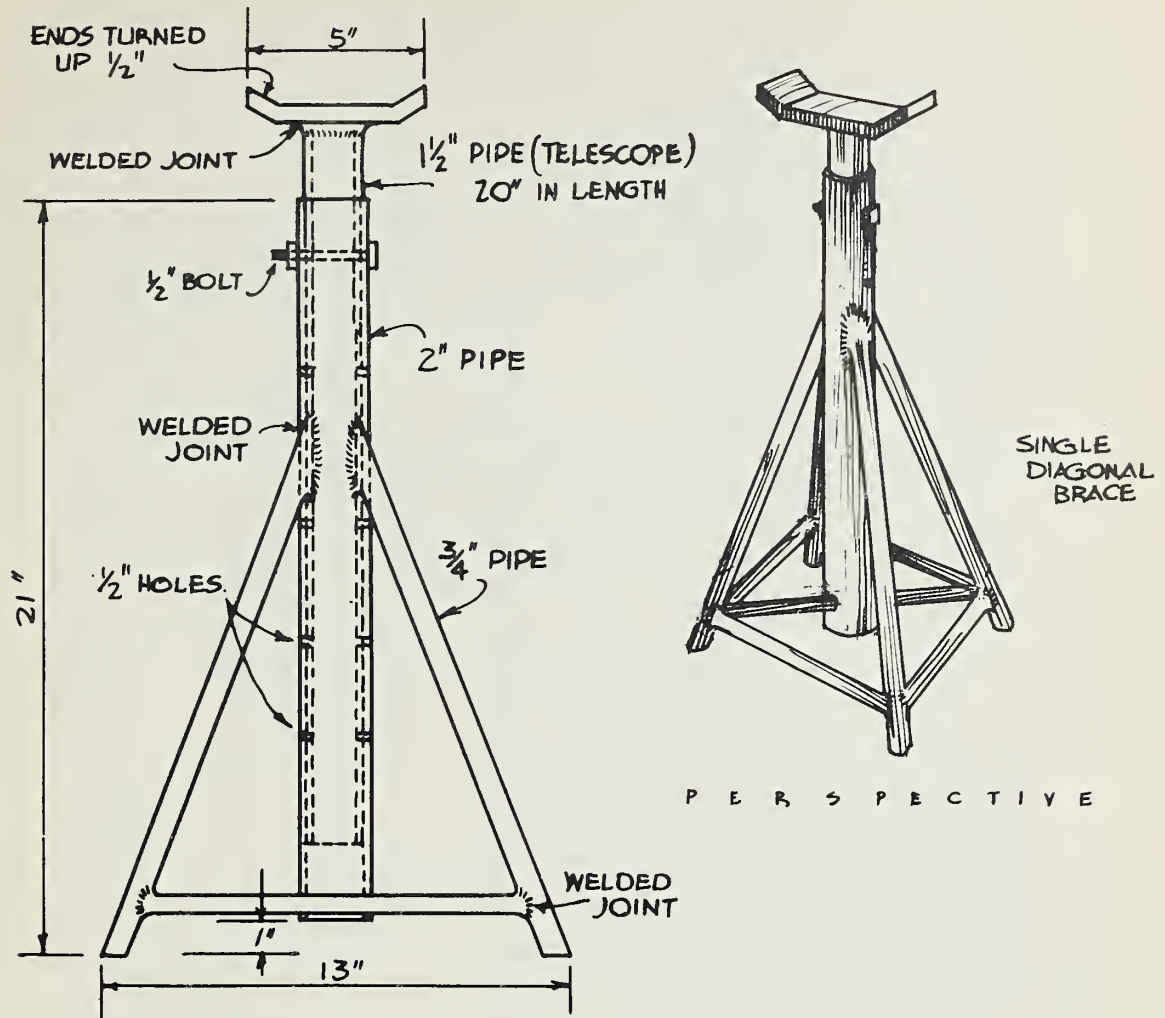
It has been found at Camp F-18 that considerable breakage of front fenders and rattling of spare-tire carriers on G. M. C. dump trucks can be eliminated by the removal of the spare tire rack from the front fender and remounting it immediately behind the cab on the right side of the metal dump body, as shown in the accompanying sketch.

The original post and brace used on the fender mounting are discarded and only the plate is necessary to attach to the dump body to which the spare wheel is clamped.

The moving of the spare tire does not effect the loading of the truck, nor the road clearance of the vehicle. It increases the road visibility of the truck driver considerably.



TOOL USED SUPPLEMENTARY TO A JACK
Contributed by Upper Michigan National Forest - Region 9
By M. Shiner - Mechanic



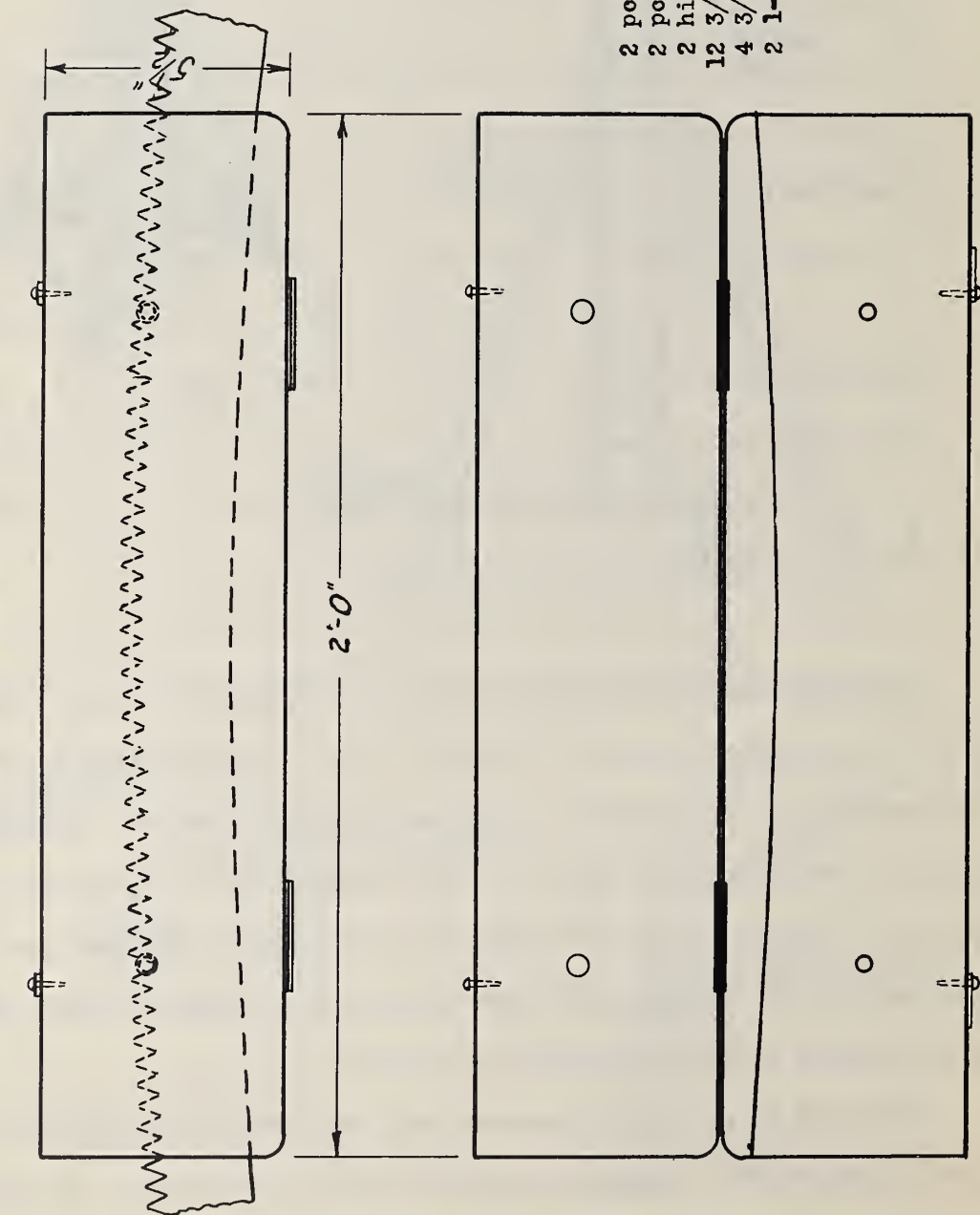
This supplementary tool to a jack is very useful in any repair shop. The tool is used as a support. One sets it at a desired height, then jacks up the machine or object to be supported, and places the tool underneath in position. The machine or object is then lowered and is firmly held up by this tool. This frees the jack, making it available for other jobs in the repair shop. The tool is particularly handy as a chassis support when removing wheels or in overhauling rear axles.

The tool is of simple construction, consisting of iron pipes of various sizes, welded together as shown by the illustration. The stand is light, adjustable and will support several tons.

SHEATH

For

Carrying A Two Man Saw
Submitted by Wm. F. Balen
Camp P-66, West Milford, N.J.



BILL OF MATERIAL

- 2 pos #2 W.P. 2' x 6" x 3/4"
- 2 pos #2 W.P. Dowels 1-1/8" x 3/8" Rd
- 2 hinges. 2 1/2" x 3/4"
- 12 3/4" flat head screws.
- 4 3/4" round head screws.
- 2 1-1/4" flat brass hooks.

Scale: 3" = 1'